L-8 Basin General Reevaluation Report (GRR)

U.S. Army Corps of Engineers

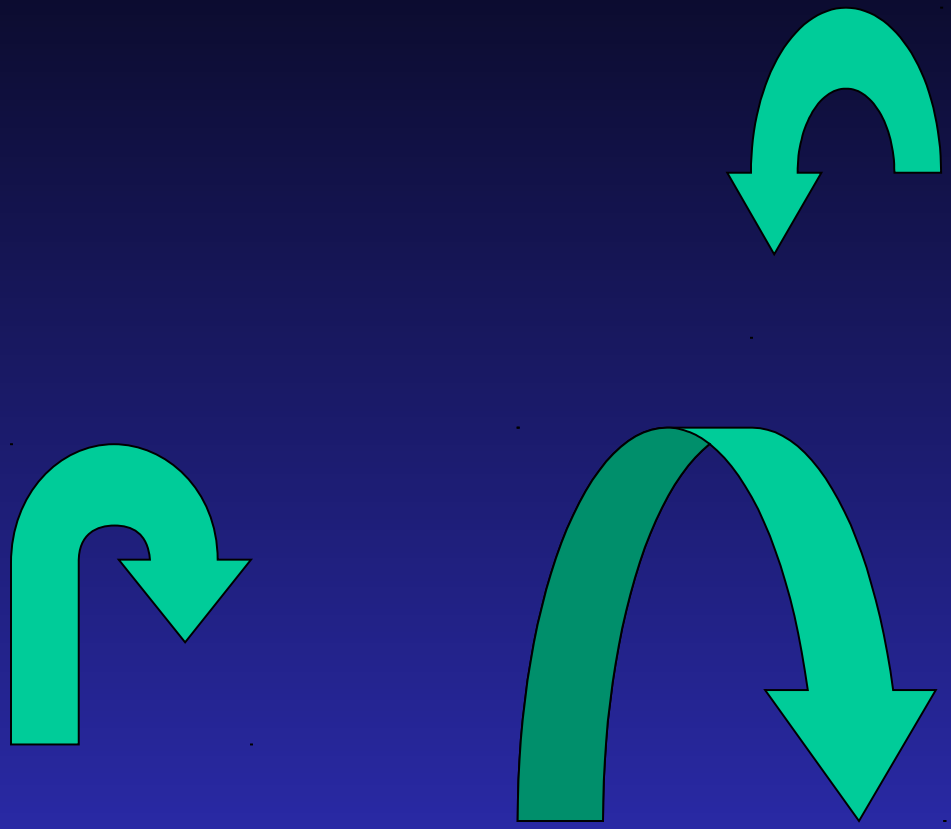
in partnership with

South Florida Water Management District
Indian Trails Improvement District
City of West Palm Beach
Palm Beach County

This will be a basin map

L-8 Basin

Existing Problems



Indian Trail
Improvement
District

Indian Trail - The Acreage

Problem:

Severe flooding during large storm events

Corbett
Preserve
Area

Corbett Preserve Area

Problem:

Too much water floods the upland areas

Corbett Preserve Area

Problem:

Inability to discharge to the L-8 Borrow Canal

Lake
Okeechobee

Lake Worth
Lagoon

Lake Okeechobee

Problem:

Nutrient-rich discharge from surrounding agricultural areas

Lake Worth Lagoon

Problem:

Excess fresh water inflow

Lake Okeechobee

C-51 Canal

L-8 Borrow Canal

L-8 Borrow Canal

Problem:

Lack of conveyance

Where do we go from here?

GRR Process Presented by
U.S. Army Corps of Engineers

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- Problem Identification
- Reconnaissance Phase
- Feasibility Phase - General Reevaluation Report (GRR)
- Washington Level Review
- Congressional Authorization
- Preconstruction Engineering & Design (PED)
- Construction
- Operation & Maintenance

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Problem Identification

Identify study/project problems, needs, and opportunities

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Reconnaissance Phase

Identify at least one plan meeting Federal criteria, identify local sponsor

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Feasibility Phase- The General Reevaluation Report

Alternatives evaluated, identify the NED, locally preferred, and recommended plans, preparation of the GRR.

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Washington Level Review

Resolve comment issues for report approval

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Congressional Authorization

Have project specifically authorized in a Water Resources Development Act (WRDA)

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Preconstruction Engineering & Design (PED)

- Perform final design and prepare plans & specifications for award of construction contract
- execute Project Cooperation Agreement (PCA) between Corps of Engineers and local sponsor.

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Construction

Complete real estate acquisition, as needed, and construct the recommended plan

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Operation & Maintenance

Operate and maintain project to generate benefits/meet purpose as planned, performed by local sponsor for non-Federal projects.

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Where are we now?

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General Reevaluation Report (GRR)

- The General Reevaluation Report is used to affirm, reformulate, or modify a plan or portions of a plan, under current planning criteria.
- Level of effort is that of a **feasibility study**.
- Typically used to reevaluate authorized but not yet constructed projects.

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The Feasibility Study Purpose

The preparation of a report that recommends an **implementable** solution to the identified water resources problems.

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Feasibility Report Content

1. Study Authority
2. Study Purpose and Scope
3. Discussion of Prior Studies, Reports, and Existing Water Projects
4. Plan Formulation
5. Description of the Selected Plan
6. Plan Implementation
7. Summary of Coordination
8. Recommendations

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Problems & Opportunities

Assessment of water and related land resources problems and opportunities

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Planning Objectives:

A statement of the intended purposes of the planning process; it is a statement of what an alternative plan should try to achieve.

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Constraints:

A **constraint** is basically a restriction that limits the extent of the planning process.

Types:

- Resource Constraints
- Planning Constraints

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Plan Components (Measures)

A management component is a feature or activity that can be **implemented at a specific geographic site to address one or more planning objectives**.

Components are the building blocks of what plans are made of.

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Plan Formulation

An alternative plan is a set of one or more components functioning together to address one or more planning objectives.

The process of building alternative plans from components is called plan formulation.

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Alternative Plan Effects

Four “accounts” are used to evaluate the effects of alternative plans:

- national economic development (NED)
- environmental quality
- regional economic development
- other social effects

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Plan Selection

- The alternative plan with the greatest net economic benefit, consistent with protecting the Nation's environment, is to be selected....unless some exception is granted, based on other Federal, state, or local concerns.
- Locally preferred plan

L-8 Basin

Potential Opportunities

Potential Reservoirs

Opportunity:

Several locations available for water storage facilities

WPB Water Catchment Area

Opportunities:

Rehydration of existing areas

Control exotics

Enhance

L-8 Canal & L-8 Tieback Canal

Opportunities:

Deliver water in a more timely fashion

Improve conveyance system

Questions? Comments? Concerns?

Please address all of the above to: